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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,461	10/31/2003	Gus Rashid	3520-219US	2255

7590 08/13/2007
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EXAMINER

DUNN, DARRIN D

ART UNIT	PAPER NUMBER
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2121

MAIL DATE	DELIVERY MODE
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08/13/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/699,461

Applicant(s)

RASHID ET AL.

Examiner

Darrin Dunn

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/31/2003.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

DETAILED ACTION

1. This Office Action is responsive to the communication filed on 10/31/2003.
2. Claims 1-20 have been presented for examination.

Claim Objections

3. Claims 2 and 12 are objected to because of the following informalities: It is suggested that [establishes] should be [establishing] Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Shi et al. (USPN 7032003).
6. As per claims 1 and 11, Shi et al. teaches a method for synchronizing data in a local database with data in a central database, wherein the local database and the central database are each capable of having been changed independently of any synchronization of the local and central databases, said local database contained on a client device, and said central database contained on a central computer, the comprising the steps of:

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establishing a communication path – 115 ([FIG 1]) between said local database - [(COL 10 line 11)] and said central database – [(COL 10 line 13)] through a server;

transmitting data – 503 – 507 ([FIG 5], [COL 10 lines 40-43]) over said communication path to a receiving location – centralized server database ([COL 10 line 13]); and

synchronizing said transmitted data – 511, 513 ([FIG 5], [COL 12 lines 21-23]) with a database contained at said receiving location.

7. As per claims 2 and 12, Shi et al. teaches the method of claim 1 wherein said step of establishing a communication path comprises establishing a communication link over a wireless communication network – ([COL 4 line 56])

8. As per claims 3 and 13, Shi et al. teaches the method of claim 1 wherein the step of establishing a communication path comprises establishing a communication link over a wired message-based communication network – LAN ([COL 5 lines 5-12])

9. As per claims 4 and 14, Shi et al. teaches the method of claim 1 further comprising:
a full synchronization operation – ([COL 9 lines 37-38]) being performed wherein said local database is said database contained at said receiving location – PDA ([COL 10 lines 10-15] e.g., examiner's interprets that receiving location may be either a client or server.); and wherein said transmitted data – updating PDA database ([COL 10 lines 10-15]) comprises data on the central computer pertaining to the local database.

10. As per claims 5 and 15, Shi et al. teaches the method of claim 4, wherein the client device contains a transaction queue, the method comprising the step of verifying that no entries are present in said transaction queue before said transmitting and said synchronization steps are performed ([COL 11 lines 63-67])

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11. As per claims 6 and 16, Shi et al. teaches the method of claim 1, where said client device contains a transaction queue –synchronization queue ([COL 11 line 54]), the method further comprising a transaction synchronization operation ([FIG 5]) being performed wherein said central database is said database contained at said receiving location –centralized server database ([COL 10 line 13]); and wherein said transmitted data comprises data present in the transaction queue ([COL 11 lines 63-67])

12. As per claims 7 and 17, Shi et al. teaches the method of claim 6, wherein the method further comprises the steps of:

initiating a background synchronization request by a user –910 ([FIG 9]) ; and

once initiated, requesting active participation by the user only if an error condition requires it ([COL 17 lines 7-10]).

13. As per claims 8 and 18, Shi et al, teaches the method of claim 6 further comprising the steps of:

maintaining a temporary client primary key value for entries in said transaction queue – ([COL 16 lines 11-15]); and replacing said temporary client primary key value with a server primary key value during said transaction synchronization operation ([COL 16 lines 37-40])

14. As per claims 9 and 19, Shi et al. teaches the method of claim 1 further comprising the step of loading run-time software components onto both said central computer and said client device – ([COL 5 lines 49-52]) said run-time software components capable of performing said synchronization step.

15. As per claims 10 and 20, Shi et al. teaches the method of claim 9 further comprising the steps of:

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generating application programs - 301-303 ([FIG 3] e.g. client side) & 405-407 ([FIG 4] e.g. server side] capable of offline processing functions – off line mode ([COL 11 lines 48-52]), and further capable of utilizing said run-time software components; and

loading said application programs onto both said central computer and said client device (FIG 3-4))

Conclusion

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6643669 – Method for Optimization of Synchronization between a client and a server

6757696 – Management Server for Synchronization System

6810405 – System and Methods for Synchronizing Data Between Multiple Datasets

20060248232 – Simplified Application Object Data Synchronization for Optimized Data Storage

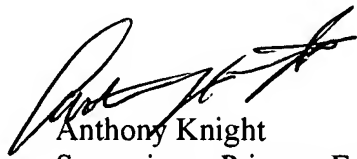
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darrin Dunn whose telephone number is (571) 270-1645. The examiner can normally be reached on EST:M-R(8:00-5:00) 9/5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on (571) 272-3687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DD
07/24/2007



Anthony Knight
Supervisory Primary Examiner
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